

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 June 2004 (10.06.2004)

PCT

(10) International Publication Number
WO 2004/047760 A2

- (51) International Patent Classification⁷: **A61K** Research Laboratories, 43 Wadai, Tsukuba-shi., Ibaraki 300-4247 (JP).
- (21) International Application Number: PCT/US2003/037658 (74) Agents: **HECHT, Elizabeth, J.** et al.; Smithkline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).
- (22) International Filing Date: 18 November 2003 (18.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/428,384 22 November 2002 (22.11.2002) US
- (71) Applicant (for all designated States except US): **SMITHKLINE BEECHAM CORPORATION** [US/US]; One Franklin Plaza, P.O. Box 7929, Philadelphia, PA 19101 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **HASEGAWA, Masaichi** [JP/JP]; Tsukuba Research Laboratories, 43 Wadai, Tsukuba-shi., Ibaraki 300-4247 (JP). **TANG, Jun** [CN/JP]; Tsukuba Research Laboratories, 43 Wadai, Tsukuba-shi., Ibaraki 300-4247 (JP). **SATO, Hideyuki** [JP/JP]; Tsukuba
- (81) Designated States (*national*): AE, AG, AL, AU, BA, BB, BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, EG, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG, TN, TT, UA, US, UZ, VN, YU, ZA.
- (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL CHEMICAL COMPOUNDS

(57) Abstract: This invention relates to newly identified compounds for inhibiting Hyak3 proteins and methods for treating diseases associated with the imbalance or inappropriate activity of Hyak3 proteins.

WO 2004/047760 A2